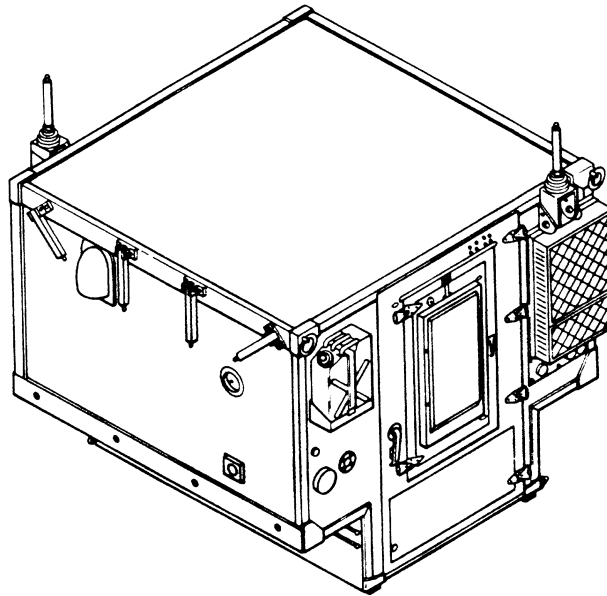


## AN/GRC-142



SYSTEM IDENTIFIERS	
NOMENCLATURE:	Radio Teletypewriter Set
SSN:	N/A
LIN:	Q90120
NSN:	5815-00-168-1556
AMIM NO:	N/A
EIC:	GFB
FUEL TYPE:	-----

SYSTEM DESCRIPTION
<p>The AN/GRC-142 is a shelter-mounted radio teletypewriter set capable of receiving and transmitting SSB, CW, and compatible AM signals. The teletype equipment can operate in 850 Hz and 85 Hz modes or in 85 Hz teletype plus voice transmission/reception mode. The teletype system consists of the TT-98/FG teletypewriter, TT-76/GGC perforator/ transmitter, and a modem operating through the RT-662/GRC radio subsystem. The AN/GRC-142 does not allow simultaneous transmission and reception; the duplex variant has been designated AN/GRC-122.</p>

The list below identifies components associated with this weapon/materiel system.

## AN/GRC-142

<u>LIN</u>	<u>NSN</u>	<u>NOMENCLATURE</u>
A78151	5985-00-892-0758	ANTENNA GROUP, AN/GRA-5
K80544	6625-00-682-4464	INDICATOR STANDING WAVE
M58822	5815-00-919-4800	MODEM RADIO TELETYPEWRITER SET
P40745	6130-00-113-9768	POWER SUPPLY PP-4763/-GRC
Q90100	5815-01-095-1211	RADIO TELETYPEWRITER SET, AN/GRC-12
R30662	5820-00-644-4554	RECEIVER-TRANSMITTER CONTROL GROUP
S01495	5411-01-092-0892	SHELTER NONEXPANDABLE
T38876	5815-01-017-9172	TTWRTR TT-722A/TG
V31211	5805-01-217-7310	TELEPHONE SET, TA-43/PT
V36762	5815-00-503-2760	TELETYPWTR TT-76A/GGC

## SYSTEM VARIANTS

<u>MDS</u>	<u>LIN</u>	<u>NSN</u>
AN/GRC-142	Q90120	5815-00-401-9720
AN/GRC-142	Q90120	5815-00-443-5511
AN/GRC-142	Q90120	5815-01-095-6258
AN/GRC-142	Q90120	5815-01-100-6815
AN/GRC-142	Q90120	5815-01-104-7264

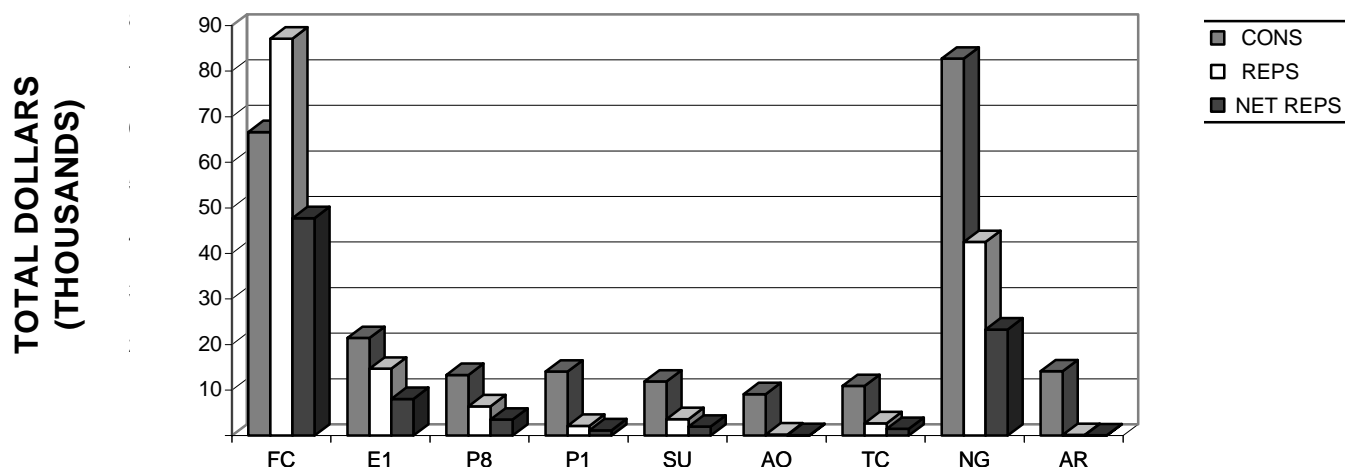
This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

<p align="center"><b>AN/GRC-142</b></p> <p align="center"><b>FY 94 TOTAL ARMY COST SUMMARY</b></p> <p align="center"><b>(FY 94 Constant Dollars)</b></p>
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<div>DENSITY</div> <div>NUMBER OF SYSTEMS896</div>	<div>DEPOT END ITEM MAINTENANCE (5.061)</div> <div>TOTAL\$20,426</div> <div>QUANTITY COMPLETED1</div> <div>AVG COST/END ITEM\$20,426.00</div>																		
<div>CLASS III-POL (5.05)</div> <div>NOT APPLICABLE</div>	<div>DEPOT SECONDARY ITEM MAINTENANCE</div> <div>TOTAL\$7,597</div> <div>QUANTITY COMPLETED30</div> <div>AVG COST/SECONDARY ITEM\$253.23</div>																		
<div>CLASS V-AMMUNITION (2.11)</div> <div>NOT APPLICABLE</div>	<div>INTERMEDIATE MAINTENANCE</div> <table><tr><td></td><td><u>DS/GS</u></td><td><u>CIVILIAN</u></td></tr><tr><td>MIL/CIV LABOR COST</td><td>\$38,452</td><td>\$0</td></tr><tr><td>AVG COST/SYSTEM</td><td>\$42.92</td><td>\$0.00</td></tr><tr><td colspan="3"> </td></tr><tr><td>MAINTENANCE MANHOURS</td><td>2,315</td><td>0</td></tr><tr><td>MMHs/SYSTEM</td><td>2.58</td><td>0.00</td></tr></table>		<u>DS/GS</u>	<u>CIVILIAN</u>	MIL/CIV LABOR COST	\$38,452	\$0	AVG COST/SYSTEM	\$42.92	\$0.00				MAINTENANCE MANHOURS	2,315	0	MMHs/SYSTEM	2.58	0.00
	<u>DS/GS</u>	<u>CIVILIAN</u>																	
MIL/CIV LABOR COST	\$38,452	\$0																	
AVG COST/SYSTEM	\$42.92	\$0.00																	
MAINTENANCE MANHOURS	2,315	0																	
MMHs/SYSTEM	2.58	0.00																	
<div>CLASS IX MATERIEL-PARTS (5.04/5.03)</div> <table><tr><td></td><td>FY 94</td><td>AVG COST</td></tr><tr><td></td><td><u>DOLLARS</u></td><td><u>PER SYSTEM</u></td></tr><tr><td>CONSUMABLES</td><td>\$244,218</td><td>\$272.56</td></tr><tr><td>NET REPARABLES</td><td>\$87,515</td><td>\$97.67</td></tr><tr><td>NET TOTAL COSTS</td><td>\$331,733</td><td>\$370.24</td></tr></table>				FY 94	AVG COST		<u>DOLLARS</u>	<u>PER SYSTEM</u>	CONSUMABLES	\$244,218	\$272.56	NET REPARABLES	\$87,515	\$97.67	NET TOTAL COSTS	\$331,733	\$370.24		
	FY 94	AVG COST																	
	<u>DOLLARS</u>	<u>PER SYSTEM</u>																	
CONSUMABLES	\$244,218	\$272.56																	
NET REPARABLES	\$87,515	\$97.67																	
NET TOTAL COSTS	\$331,733	\$370.24																	

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparable, (REPS), and net reparable (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

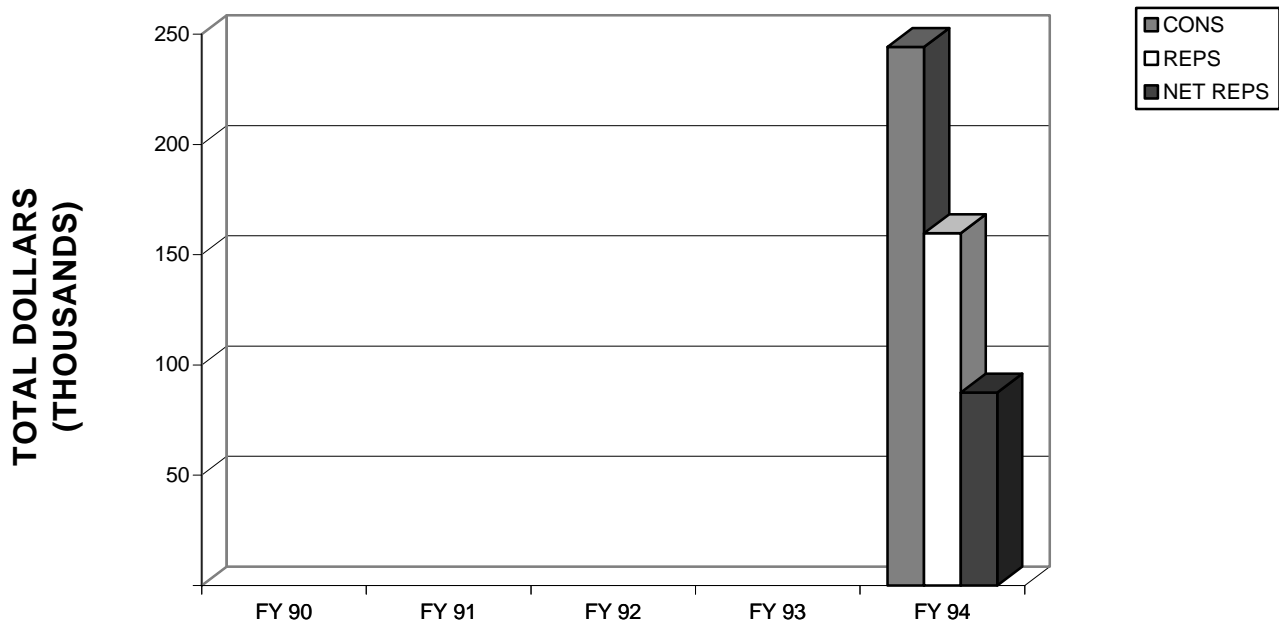
### AN/GRC-142



AN/GRC-142							
FY 94 MACOM CLASS IX COSTS							
MACOM		CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
CODE	NAME						
FC	FORSCOM	66,623	87,139	47,750	114,373	54	2,118
E1	USAREUR	21,441	14,697	8,053	29,494	12	2,458
P8	EUSA	13,328	6,450	3,535	16,863	10	1,686
P1	USARPAC	14,073	2,154	1,180	15,253	10	1,525
SU	USARSO	11,892	3,614	1,981	13,873	15	925
AO	USASOC	9,095	258	141	9,236	5	1,847
TC	TRADOC	10,907	2,716	1,488	12,395	26	477
NG	ARNG	82,739	42,509	23,296	106,035	502	211
AR	USAR	14,120	166	91	14,211	262	54
TA	TOTAL ARMY	244,218	159,703	87,515	331,733	896	370

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparable (REPS) and net reparable (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

### AN/GRC-142



AN/GRC-142 FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93						
FY 94	244,218	159,703	87,515	331,733	896	370

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

AN/GRC-142 FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS							
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	SENSORS	0	0	0	0	0	0
02	PROCESSING (ADPE)	0	0	0	0	0	0
03	COMMUNICATIONS	143,280	143,297	78,526	221,806	896	248
04	PERIPHERALS	0	1,024	561	561	896	1
05	ENVIRON SUPPORT	61,302	15,382	8,428	69,730	896	78
06	APPLICATIONS SFT	0	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0
09	OTHER	39,636	0	0	39,636	896	44
	TOTAL	244,218	159,703	87,515	331,733	896	370

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

<b>AN/GRC-142</b>						
<b>FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS</b>						
<b>WBS</b>	<b>NAME</b>	<b>FY 90 NET TOTAL COSTS</b>	<b>FY 91 NET TOTAL COSTS</b>	<b>FY 92 NET TOTAL COSTS</b>	<b>FY 93 NET TOTAL COSTS</b>	<b>FY 94 NET TOTAL COSTS</b>
01	SENSORS					0
02	PROCESSING (ADPE)					0
03	COMMUNICATIONS					221,806
04	PERIPHERALS					561
05	ENVIRON SUPPORT					69,730
06	APPLICATIONS					0
07	SYSTEM SOFTWARE					0
08	INT, ASSY, TEST, C/O					0
09	OTHER					39,636
	TOTAL					331,733
	NUM OF SYSTEMS					896
	AVG PER SYSTEM					370

**AN/GRC-142**  
**TOP 40 COST DRIVERS**  
**CLASS IX CONSUMABLES (NON-DLRs)**

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	2815005017001	ENGINE,DIESEL	05A	H		B21VA	7,562.00	2.41
2.	7240003600094	ADAPTER KIT,GRAVITY	09	Z		E2200	25.83	341.24
3.	5820007828903	SYNTHESIZER ASSY	03E	H	D	G21RC	557.00	15.10
4.	5985009859024	ANTENNA	03C	O		G21RT	254.00	28.30
5.	5977010434231	BRUSH,ELECTRICAL CO	03J	Z		Q22RJ	1,117.31	6.33
6.	6135010342239	BATTERY, NONRECHARG	09	Z		G22T7	43.35	157.08
7.	6135001255256	BATTERY, NONRECHARG	09	Z		E2200	22.13	302.59
8.	5840010523855	ELECTRONIC COMPONENT	03E	H		G214B	3,633.00	1.71
9.	5995009355236	CABLE ASSEMBLY,POWE	03E	F		Q21RC	301.03	18.80
10.	6130012479149	INVERTER,POWER,STAT	05A	F		G21RC	988.00	5.15
11.	5975002245260	ROD GROUND MX-148/G	03J	Z		Q2200	23.42	192.61
12.	5998005640074	ELECTRONIC COMPONENT	05A	F		B21VA	911.00	4.51
13.	6115003688200	GENERATOR,ALTERNATI	05A	F		B21VA	3,499.00	1.05
14.	5820007828896	DRIVER,DELAY LINE	03E	Z		Q2200	607.54	5.74
15.	6645004102395	CLOCK,PANEL	09	Z		E2200	19.58	170.27
16.	5960003697460	ELECTRON TUBE	03J	Z		Q2200	183.07	17.45
17.	5820009375530	COVER, ELECTRONICS E	03E	Z		G22RC	91.51	33.00
18.	6130010636273	POWER SUPPLY	05A	Z		G21RJ	916.00	3.19
19.	3020002031327	GEAR,WORM	05G	Z		J2200	210.59	13.39
20.	5820002265368	RADIO SET SUBASSEMBL	03E	H		G21RC	342.00	8.23
21.	6130011211447	POWER SUPPLY	05A	Z		G21RJ	916.00	3.07
22.	5998008786660	CIRCUIT CARD ASSEMB	03E	H		Q21RC	335.02	7.64
23.	5925001330451	CIRCUIT BREAKER	03E	Z		Q22RC	165.97	15.40
24.	5340000661235	ADAPTER ASSEMBLY FU	09	Z		T2200	15.82	159.35
25.	5920004989442	ABSORBER,OVERVOLTAG	03J	Z		Q2200	436.06	5.41
26.	2910004990818	PUMP,FUEL,METERING	05C	F		J2200	572.59	4.11
27.	5995009858005	CABLE ASSEMBLY	03J	Z		Q2200	135.69	17.01
28.	3040010769813	TIMING GEAR SHAFT	05G	Z		G21RJ	1,926.00	1.19
29.	6110000897348	DISTRIBUTION BOX	05A	O		J2100	1,992.95	1.00
30.	5965000433463	HANDSET H-250/U	03A	Z		G227B	35.53	55.76
31.	6145006608711	CABLE RG213U	09	Z		Q2200	0.33	5,733.52
32.	5995009857998	CABLE ASSEMBLY,SPEC	03J	Z		Q2200	55.54	30.57
33.	5820000785614	MOUNTING	03E	H		G21RU	190.00	8.92
34.	5820009410336	AMPLIFIER SUBASSY	03E	H		G21RC	241.00	6.77
35.	5910012178867	CAPACITOR,VARIABLE,	03J	Z		Q2200	751.31	2.12
36.	5995009857793	CABLE ASSEMBLY,POWE	03J	Z		Q2200	64.83	24.00
37.	5930011667840	SWITCH ASSEMBLY	05A	F		B21VA	177.00	8.30
38.	5820002265369	FREQUENCY DIVIDER AS	03E	H	D	G21RC	225.00	6.16
39.	6150009350257	CABLE ASSEMBLY POWER	09	Z		J2200	225.72	6.00
40.	2910003746020	FILTER ELEMENT,FLUI	05C	Z		J2200	20.07	67.13

NUMBER OF SYSTEMS	896
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

**AN/GRC-142**  
**CONSUMABLES (NON-DLRs)**

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST
18,225	20.34	0.2690		
8,814	9.84	38.0848		
8,410	9.39	1.6853		
7,187	8.02	3.1585		
7,072	7.89	0.7065		
6,808	7.60	17.5313		
6,695	7.47	33.7712		
6,212	6.93	0.1908		
5,659	6.32	2.0982		
5,088	5.68	0.5748		
4,512	5.04	21.4967		
4,109	4.59	0.5033		
3,674	4.10	0.1172		
3,487	3.89	0.6406		
3,333	3.72	19.0033		
3,194	3.56	1.9475		
3,020	3.37	3.6830		
2,922	3.26	0.3560		
2,820	3.15	1.4944		
2,815	3.14	0.9185		
2,812	3.14	0.3426		
2,560	2.86	0.8527		
2,556	2.85	1.7188		
2,520	2.81	17.7846		
2,359	2.63	0.6038		
2,352	2.63	0.4587		
2,309	2.58	1.8984		
2,292	2.56	0.1328		
1,993	2.22	0.1116		
1,981	2.21	6.2232		
1,893	2.11	639.9018		
1,698	1.90	3.4118		
1,696	1.89	0.9955		
1,632	1.82	0.7556		
1,593	1.78	0.2366		
1,556	1.74	2.6786		
1,470	1.64	0.9263		
1,387	1.55	0.6875		
1,355	1.51	0.6696		
1,347	1.50	7.4922		

153,417	62.8%	TOP 40
90,801	37.2%	OTHERS
=====		
244,218		

**AN/GRC-142**  
**TOP 40 COST DRIVERS**  
**CLASS IX REPARABLES (DLRs)**

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE		FY 94 QTY
							W/O CREDIT	W/CREDIT	
1.	5895010409663	AMPLIFIER,PARAMET	03E	D		G214B	31,217.00	17,106.92	2.01
2.	5985009897540	COUPLER,ANTENNA	03C	D		G21RC	2,109.00	1,155.73	8.89
3.	6130010925998	INVERTER,POWER,ST	05A	F	E	G21RE	988.00	541.42	10.49
4.	5985009176567	COUPLER,ANTENNA	03C	L		G21RC	2,109.00	1,155.73	3.65
5.	5895010769264	CONVERTER,FREQUE	03J	D		G21RJ	9,475.00	5,192.30	0.79
6.	5820009248465	AMPLIFIER,RADIO FRE	03E	D		G21RC	1,387.00	760.08	4.66
7.	5815000454489	SCOPE MODULE ASSE	03J	D		G21RC	484.00	265.23	9.96
8.	5895010928620	AMPLIFIER,ELECTRON	03E	D	C	G214B	2,796.00	1,532.21	1.63
9.	5820009174932	TURRET ASSEMBLY	03E	D		G21RC	2,178.00	1,193.54	2.04
10.	5820009061115	MATCHING UNIT-BASE	03E	D		G21RT	178.00	97.54	19.88
11.	5820002265439	RECEIVER, INTERMED	03B	D		G21RC	486.00	266.33	5.20
12.	5815000454490	TRANSMITTER MODUL	03A	D		G21RC	333.00	182.48	7.56
13.	5815009304656	TRANSMITTER MODUL	03A	D		G21RC	386.00	211.53	6.50
14.	5815000454487	LOOP BATTERY MODL	03J	D		G21RC	439.00	240.57	5.05
15.	6130008425721	CHARGER,BATTERY	05A	D		G21RC	554.00	303.59	3.90
16.	6130010925947	POWER SUPPLY	05A	H	E	G214B	1,075.00	589.10	1.83
17.	5820002265365	TRANSLATOR, SIGNAL	03E	D	D	G21RC	337.00	184.68	5.76
18.	5815009304658	RECEIVER, AUDIO MO	03B	D		G21RC	301.00	164.95	6.44
19.	7025011771087	PRINTER,ASSEMBLY	04B	D		G21RJ	51,214.00	28,065.27	0.02
20.	5820002265363	DISCRIMINATOR ASSE	03E	D		G21RC	305.00	167.14	3.15
21.	5815000893965	RADIO TELETYPEWRIT	03E	D	D	G21RC	383.00	209.88	2.39
22.	5820009976200	TURRET DRIVE SUBAS	03E	D		G21RC	869.00	476.21	0.99
23.	6130010229701	POWER SUPPLY	05A	D		G21RJ	6,998.00	3,834.90	0.12
24.	5998010225832	CIRCUIT CARD ASSEM	03J	D		G21RJ	526.00	288.25	1.55
25.	5820002265366	TRANSMITTER SUBAS	03A	D		G21RC	329.00	180.29	1.94
26.	5998010472652	CIRCUIT CARD ASSEM	03J	L		G215R	735.00	402.78	0.77
27.	5998010913455	CIRCUIT CARD ASSEM	03E	D	E	G214B	373.00	204.40	1.51
28.	5815010459448	RECEIVER,AUDIO,BFC	03B	D		G21RC	382.00	209.34	1.43
29.	5998010472653	CIRCUIT CARD ASSEM	03J	L		G215R	469.00	257.01	0.98
30.	5820007829465	DRUM ASSEMBLY	03E	D		G21RC	1,188.00	651.02	0.34
31.	5998010913457	CIRCUIT CARD ASSEM	03E	D	E	G214B	1,480.00	811.04	0.20
32.	5998010913456	CIRCUIT CARD ASSEM	03E	D	C	G214B	441.00	241.67	0.54
33.	5998010225834	CIRCUIT CARD ASSEM	03J	D	E	G21RJ	545.00	298.66	0.40
34.	5998010913458	CIRCUIT CARD ASSEM	03E	H	C	G214B	602.00	329.90	0.35
35.	5998012475739	CIRCUIT CARD ASSEM	03J	L		G215R	299.00	163.85	0.68
36.	5820009174910	DRIVE ASSEMBLY,REC	03E	D		G21RC	1,130.00	619.24	0.14
37.	5998000735248	CIRCUIT CARD ASSEM	03E	D		G21RC	186.00	101.93	0.75
38.	5998012475738	CIRCUIT CARD ASSEM	03J	L	E	G215R	176.00	96.45	0.75
39.	5998010913447	CIRCUIT CARD ASSEM	03J	D	E	G21RV	280.00	153.44	0.47
40.	5998010830731	CIRCUIT CARD ASSEM	03J	L		G215R	195.00	106.86	0.50

NUMBER OF SYSTEMS	896
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

**AN/GRC-142  
REPARABLES (DLRs)**

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT)	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST (W/CREDIT)
34,385	38.38	0.2243		
10,275	11.47	0.9922		
5,679	6.34	1.1708		
4,219	4.71	0.4074		
4,102	4.58	0.0882		
3,542	3.95	0.5201		
2,642	2.95	1.1116		
2,498	2.79	0.1819		
2,435	2.72	0.2277		
1,939	2.16	2.2188		
1,386	1.55	0.5804		
1,379	1.54	0.8438		
1,376	1.54	0.7254		
1,215	1.36	0.5636		
1,184	1.32	0.4353		
1,079	1.20	0.2042		
1,064	1.19	0.6429		
1,062	1.19	0.7188		
561	0.63	0.0022		
526	0.59	0.3516		
501	0.56	0.2667		
471	0.53	0.1105		
460	0.51	0.0134		
447	0.50	0.1730		
349	0.39	0.2165		
310	0.35	0.0859		
308	0.34	0.1685		
300	0.33	0.1596		
252	0.28	0.1094		
221	0.25	0.0379		
162	0.18	0.0223		
131	0.15	0.0603		
119	0.13	0.0446		
116	0.13	0.0391		
111	0.12	0.0759		
87	0.10	0.0156		
76	0.08	0.0837		
73	0.08	0.0837		
72	0.08	0.0525		
53	0.06	0.0558		

87,167	99.6%	COST DRIVERS
348	0.4%	OTHERS
=====		
87,515		

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

AN/GRC-142							
FY 94 DEPOT MAINTENANCE COSTS							
COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	5,095	0	0	94	1,761	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	1,045	0	0	8	625	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	14,286	0	0	131	4,971	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	3	4	0
TOTAL	0	20,426	0	0	236	7,361	0
QTY COMPLETED	0	1	0	0	1	29	0
AVG COST	0	20,426	0	0	236	254	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

AN/GRC-142					
FY 94 INTERMEDIATE MAINTENANCE COSTS					
MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	98	1,628	0	0	0.00
USAREUR	234	3,887			
EUSA	81	1,345			
USARPAC	17	282			
USARSO	8	133			
USASOC	3	50			
TRADOC	0	0	0	0	0.00
ARNG	1,874	31,127			
USAR	0	0			
TOTAL ARMY	2,315	38,452	0	0	0.00

\*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/GRC-142 FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					5,095					1,855
MILITARY LABOR					0					0
MATERIEL					1,045					633
TRANSPORTATION					0					
OVERHEAD					14,286					5,102
CONTRACT					0					0
OTHER					0					7
TOTAL					20,426					7,597
QTY COMPLETED					1					30
AVG COST					20,426					253

The table below summarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/GRC-142 FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					1,628					0
USAREUR					3,887					
EUSA					1,345					
USARPAC					282					
USARSO					133					
USASOC					50					
TRADOC					0					0
ARNG					31,127					
USAR					0					
TOTAL ARMY					38,452					0
LABOR HRS					2,315					0
COST PER HR					16.61					0.00

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/GRC-142 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5815-00-553-6061	TELETYPEWRITER:	1,404	6,057	3	2,019
6130-01-092-5998	INVERTER,POWER,S	988	1,304	26	50

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

AN/GRC-142 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
5820-00-906-1115	MATCHING UNIT-BA	178	236	1	236

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

AN/GRC-142 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5815-00-553-6061	TELETYPEWRITER:	1,404	6,057	3	2,019
6130-01-092-5998	INVERTER,POWER,S	988	1,304	26	50

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/GRC-142 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
5820-00-906-1115	MATCHING UNIT-BA	178	236	1	236

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